

9. The device of claim 1, wherein the first and second connecting members are formed in a contiguous board that has an opening defined therein, the board being sufficiently flexible to allow movement of the first and second connecting members relative to one another in fore-aft tilt angle.

10. The device of claim 9, wherein the first and second wheels extend above the platform through the opening.

11. The device of claim 1, wherein the first and second front subsections are configured to move relative to one another in fore-aft tilt angle, and movement of the first and second front subsections relative to one another in fore-aft tilt angle causes movement of the first and second connecting members relative to one another.

12. The device of claim 1, wherein the first and second rear subsections are configured to move relative to one another in fore-aft tilt angle, and movement of the first and second rear subsections relative to one another in fore-aft tilt angle causes movement of the first and second connecting members relative to one another.

13. An auto-balancing transportation device, comprising:

a platform having first and second front subsections and first and second rear subsections, and a first connecting member located between the first front and rear subsections and a second connecting member located between the second front and rear subsections;

a first wheel, a first drive motor, and a first sensor associated with the first connecting member;

a second wheel, a second drive motor, and a second sensor associated with the second connecting member;

a control circuit that drives the first drive motor toward auto-balancing the first connecting member based on data from the first sensor and that drives the second drive motor toward auto-balancing the second connecting member based on data from the second sensor; and

wherein the first connecting member is capable of fore-aft tilt angle movement while the fore-aft tilt angle of the second connecting member is unchanged.

14. The device of claim 13, wherein the second connecting member is capable of fore-aft tilt angle movement while the fore-aft tilt angle of the first connecting member is unchanged.

15. The device of claim 13, wherein the platform is greater in longitudinal dimension than lateral dimension.

16. The device of claim 13, wherein the first and second wheels are wholly below the platform.

17. The device of claim 13, wherein the first and second wheels are in part below the platform and in part above the platform.

18. The device of claim 13, wherein the first and second connecting members are formed in a contiguous board that has an opening defined therein, the board being sufficiently flexible to allow movement of the first and second connecting members relative to one another in fore-aft tilt angle.

19. The device of claim 18, wherein the first and second wheels extend above the platform through the opening.

20. The device of claim 13, having at least one of:

the first and second front subsections configured to move relative to one another in fore-aft tilt angle, and movement of the first and second front subsections relative to one another in fore-aft tilt angle causing movement of the first and second connecting members relative to one another; and

the first and second rear subsections configured to move relative to one another in fore-aft tilt angle, and movement of the first and second rear subsections relative to one another in fore-aft tilt angle causing movement of the first and second connecting members relative to one another.

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